

The
Alcohol School
 Concise

Agenda

Bangkok

The Westin Grande Sukhumvit

July 9 - 11, 2019



**LALLEMAND BIOFUELS
& DISTILLED SPIRITS**



**ETHANOL
TECHNOLOGY
INSTITUTE**

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Hotel Information

The Westin Grande Sukhumvit Bangkok

259 Sukhumvit Road
Bangkok, 10110 Thailand
+66 2 207 8000 Fax: +66 2 651 1070

Link to book hotel:

<https://www.marriott.com/event-reservations/reservation-link.mi?id=1547181796400&key=GRP&app=resvlink>

Tuesday

JULY 9, 2019

08:00 - 09:00	REGISTRATION	
09:00 - 09:15	Introduction & Welcome <i>Angus Ballard, Lallemand Biofuels & Distilled Spirits (USA)</i> <i>Flemming Soederquist, Brenntag (Thailand)</i>	
09:15 - 09:30	Agenda & Administration <i>Graeme Walker, Ethanol Technology Institute (Scotland)</i>	
09:30 - 09:45	Global Alcohol Overview <i>Craig Pilgrim, Lallemand Biofuels & Distilled Spirits (USA)</i>	
09:45 - 10:15	Asian Alcohol Industry (Fuel & Bev) <i>Tipa Saidarasamoot, Lallemand Biofuels & Distilled Spirits (Thailand)</i>	
10:15 - 10:45	COFFEE	
10:45 - 11:15	Thai Biofuel Policy <i>Dr. Supatchalee Sophonthammaphat, Bureau of Biofuel Development, DEDE (Thailand)</i>	
11:15 - 11:45	Future of Cassava <i>Dr. Kuakoon Piyachomkwan, BIOTEC (National Center of Genetic Engineering and Biotechnology) (Thailand)</i>	
11:45 - 12:45	LUNCH	LUNCH
12:45 - 13:15	Sugar Cane / Molasses Insight from Brazil <i>Jaime Fingerut, Institute of Technology for Sugar Cane (Brazil)</i>	
13:15 - 13:45	Usage of Sugar Based Feedstocks <i>Mukund Rao, BBGI Public Co Ltd. (Thailand)</i>	
13:45 - 14:30	Feedstock Preparation Overview <i>Robert Piggot, Lallemand Biofuels & Distilled Spirits (Canada)</i>	
14:30 - 15:00	Enzymes for Starch Degradation <i>Tan Nakagawa, Brenntag Ingredients (Thailand)</i>	
15:00 - 15:30	COFFEE	
15:30 - 16:15	Physiology of Alcohol-Producing Yeasts <i>Graeme Walker, Ethanol Technology Institute (Scotland)</i>	
16:15 - 17:00	Yeast Nutrition <i>Jim Miers, Lallemand Biofuels & Distilled Spirits (USA)</i>	
18:30 - 22:00	Networking Event – Altitude Bar; 25th Floor	EVENT

Wednesday

JULY 10, 2019

08:30 - 09:00 MORNING COFFEE

09:00 - 09:45 Yeast Pretreatment & Propagation
Chris Richards, Lallemand Biofuels & Distilled Spirits (USA)

09:45 - 10:30 Fermentation Management
Robert Piggot, Lallemand Biofuels & Distilled Spirits (Canada)

10:30 - 11:00 COFFEE

BREAKOUT GROUPS	FUEL	LIGHT SPIRIT ENA	PREMIUM DISTILLED SPIRITS
11:00 - 11:45	Key Areas to Optimize Production Process <i>Chris Richards, LBDS (USA)</i>	Improving Starch Based Fermentations <i>Rajesh Mohan, LBDS (India)</i>	High Quality Spirits in India <i>Ashok Chokalingam, Amrut Distillery</i>
11:45 - 12:15	Hygiene Control & Improvement <i>Kannika Suhatthaphorn, LBDS (Thailand)</i>	Process Control - Can it Improve Yield <i>Hank Brittain, OpX Control Inc (USA)</i>	What Makes Japanese Whisky Different <i>Hajime Sato, Suntory Spirits Limited</i>
12:15 - 13:15	LUNCH	LUNCH	LUNCH
13:15 - 13:45	Multiple Feedstock Design Adaptations <i>David Lococo, KATZEN (USA)</i>	Hygiene Control & Improvement <i>Kannika Suhatthaphorn, LBDS (Thailand)</i>	Advantages of Proprietary Yeast <i>Elena Fossati, LBDS (Canada)</i>
13:45 - 14:30	Improving Molasses Fermentations <i>Matt Hawkins, LBDS (USA)</i>	Distillation Management - Simple & Complex Systems <i>Robert Piggot, LBDS (Canada)</i>	Congeners <i>Corinne Cluis, LBDS (Canada)</i>
14:30 - 15:15	Improving Starch Based Fermentations <i>Rajesh Mohan, LBDS (India)</i>	Energy Efficiency Improvement <i>Sandeep Chichbankar, Excell</i>	Managing Distillation <i>Douglas Murray, Diageo Global (Scotland)</i>
15:15 - 15:45	COFFEE	COFFEE	COFFEE
15:45 - 16:30	Biotech Yeast Development for both Starch & Molasses <i>Corinne Cluis, LBDS (Canada)</i>	Improving Molasses Fermentations <i>Matt Hawkins, LBDS (USA)</i>	Maturation Biochemistry <i>Robert Fotheringham, LBDS</i>
16:30 - 17:00	Use of Membranes to Dehydrate <i>Stephan Blum, Whitefox Technologies, Ltd.</i>	Monitoring Performance <i>Dr. Binod Maitin</i>	Rum <i>Shernell Layne, LBDS</i>

Thursday

JULY 11, 2019

08:30 - 09:00	MORNING COFFEE	
09:00 - 09:45	Distillation Theory & Science <i>Tara Vigil, KATZEN International Inc. (USA)</i>	
09:45 - 10:30	Distillation Practice & Troubleshooting <i>Tara Vigil, KATZEN International Inc. (USA)</i>	
10:30 - 11:00	COFFEE	
11:00 - 11:30	Selecting an Effective Yeast Strain for Your Feedstock <i>Robert Piggot, Lallemand Biofuels & Distilled Spirits (Canada)</i>	
11:30 - 12:00	Addressing Feedstock Shortages - Handling Multiple Feedstocks <i>Chris Richards, Lallemand Biofuels & Distilled Spirits (USA)</i>	
12:00 - 13:00	LUNCH	LUNCH
13:00 - 13:30	Economics of B Molasses Utilization for EtOH <i>Dale Monceaux, AdvanceBio LLC (USA)</i>	
13:30 - 14:15	The Future of Asian Cellulosic Industry; An Update <i>SR Soni, India Glycols PVT (India)</i>	
14:15 - 14:45	Gen 1.5 Options to Cellulosic for Sugar Mill/Ethanol Plant Combo <i>Justin van Rooyen, Lallemand Biofuels & Distilled Spirits (USA)</i>	
14:45 - 15:15	COFFEE	
15:15 - 15:45	Keynote Address <i>Sirin Sereethoranakul, PSC Starch</i>	
15:45 - 16:30	Closing Talk <i>Angus Ballard, Lallemand Biofuels & Distilled Spirits (USA)</i>	
16:30 - 18:00	Certificate Presentations & Cocktails – Altitude Bar; 25th Floor	EVENT

Friday

JULY 12, 2019

08:00 - 08:50	REGISTRATION & MORNING COFFEE	
08:50 - 09:00	Welcome <i>Angus Ballard, Lallemand Biofuels & Distilled Spirits (USA)</i> <i>Graeme Walker, Ethanol Technology Institute (Scotland)</i>	
09:00 - 9:45	Advantages & Challenges of Multiple Feedstocks <i>Chris Richards, Lallemand Biofuels & Distilled Spirits (USA)</i>	
09:45 - 10:30	Transitioning from Starch to Molasses <i>Robert Piggot, Lallemand Biofuels & Distilled Spirits (Canada)</i>	
10:30 - 11:00	COFFEE	
11:00 - 11:45	Molasses Feed - Batch Feed <i>Robert Piggot, Lallemand Biofuels & Distilled Spirits (Canada)</i> <i>Matt Hawkins, Lallemand Biofuels & Distilled Spirits (USA)</i>	
11:45 - 12:30	Transitioning from Molasses to Starch <i>Dale Monceaux, AdvanceBio LLC (USA)</i>	
12:30 - 13:30	LUNCH	LUNCH
13:30 - 14:15	Monitoring Change <i>Chris Richards, Lallemand Biofuels & Distilled Spirits (USA)</i>	
14:15 - 15:00	Implications of Change to Distillation <i>Tara Vigil, KATZEN International Inc. (USA)</i>	
15:00 - 15:30	COFFEE	
15:30 - 16:15	Discussion Panel <i>All Speakers</i>	
16:15 - 16:45	Close of School	